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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,380	11/03/2003	Sung-Hun Kim	0630-1860P	2754
2292 7	590 04/19/2005		EXAMINER	
BIRCH STEWART KOLASCH & BIRCH PO BOX 747			MACCHIAROLO, PETER J	
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
	,		2879	
		DATE MAILED: 04/19/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

ZI

	Application No.	Applicant(s)				
	10/698,380	KIM, SUNG-HUN				
Office Action Summary	Examiner	Art Unit				
	Peter J. Macchiarolo	2879				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	ely filed swill be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 January 2005.						
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) This action is non-final.					
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closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims	,					
4)⊠ Claim(s) <u>1-32</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>12-32</u> is/are allowed.						
6)⊠ Claim(s) <u>1,2,6 and 8</u> is/are rejected.	·					
7) \boxtimes Claim(s) 3-5,7 and 9-11 is/are objected to.	☑ Claim(s) <u>3-5,7 and 9-11</u> is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on is/are: a)□ accepted or b)⊠ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority.under 35 U.S.C. § 119(a)	-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	` ' ' '					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmont/c)						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
i) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1) Notice of Informal Patent Application (PTO-152) Characteristics of Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Disclosure Statement(s) (PTO-152) Other:						
	-,					

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DETAILED ACTION

Response to Amendment

1. The reply filed on 01/19/2005 consists of changes to the specification, drawings, and to the claims, and further, the reply consists of remarks related to the prior rejection of claims in the previous Office Action. The above have been entered and considered.

Drawings

- 2. The drawings filed 01/19/2005 are accepted, however, the instant drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the condition of Sh/Sv < 1 at an end portion of a short axis of the shadow mask (claims 2, 13, 20, 27,) and the condition of Sh/Sv < 1 on a short axis of the shadow mask (claims 6, 16, 23, 30) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
- 3. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an

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application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 2, 6, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsuchida (USPN 6465945; "Tsuchida").
- 5. Regarding claims 1, 2, 6, and 8, Tsuchida shows in figures 1 and 3 a CRT comprising a panel (20) having an outer surface which is substantially flat and an inner surface which has a radius of curvature; and a shadow mask (25) having a plurality of apertures (41) through which electron beams pass, each of the plurality of apertures at a central portion of the shadow mask having a continuously arcuate periphery, a ratio Sh/Sv of a horizontal dimension Sh of the aperture to a vertical dimension Sv of the aperture satisfying a condition of Sh/Sv < 1, at a the central portion of the shadow mask, and at an end portion of a short axis of the shadow mask. Tsuchida further shows the CRT is used for a monitor.

6. Claims 12-32 are allowed.

7. Claims 3-5, 7, and 9-11 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

8. The reasons for allowance are clearly set forth in the previous Non-Final office action

(10/19/2004) and following response (01/19/2005).

Response to Arguments

9. Applicant's arguments with respect to claim have been considered but are moot in view

of the new ground(s) of rejection.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

11. A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

- 12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter J Macchiarolo whose telephone number is (571) 272-2375. The examiner can normally be reached on 8:30 5:00, M-F.
- 13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on (571) 272-2475. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.
- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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JOSEPH WILLIAMS PRIMARY EXAMINER